

Claims

1. A method for storing loads (P), especially cylindrical objects such as paper rolls, in a storage (1), where the loads are brought in and stored and from where the loads are taken out by means of a load manipulating device for further processing, characterized in that at least one load (P) at a time is moved into storage and/or out of storage by means of at least two separate carriage units (10) working in an at least substantially synchronized manner relative to each other, which together move the at least one load.

2. Method according to claim 1, characterized in that the at least one load (P) is moved from a load manipulating device (2), such as a stacker, by at least two carriage units (10) together to a given storage location.

3. Method according to claim 1 or 2, characterized in that the at least one load (P) is moved from the storage location to the load manipulating device (2), such as a stacker, together by at least two carriage units (10).

4. Method according to any one of claims 1 – 3, characterized in that the load (P) is lifted and/or lowered from/into the storage location by at least two carriage units (10) working in a mutually synchronized manner.

5. Method according to any one of claims 1 – 4, characterized in that, when necessary, the carriage units (10) can be moved without a load (P) from under the at least one load (P) at least when the load is in the storage location.

6. Apparatus for storing loads (P), especially cylindrical objects such as paper rolls, in a storage (1), where the loads are brought in and stored and from where the loads are taken out by means of a load manipulating device for further processing, characterized in that the apparatus comprises at least two separate carriage units (10) working

in an at least substantially synchronized manner relative to each other, which are arranged to move at least one load (P) together when necessary.

5 7. Apparatus according to claim 6, characterized in that the carriage unit (10) comprises at least one lifting element (11).

10 8. Apparatus according to claim 6 or 7, characterized in that the carriage unit (10) can be moved at least partially under the load (P), at least when the load is resting on a seat (20).

9. Apparatus according to any one of claims 6 - 8, characterized in that the carriage units (10) have been arranged to operate in pairs.

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10. Apparatus according to any one of claims 6 - 9, characterized in that the apparatus comprises means for positioning the carriage units (10) at least when they are retrieving a load (P) from a storage location and/or taking a load into a storage location.

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